

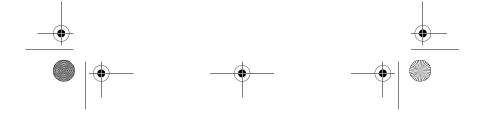
Please read before using this equipment.

Micro-39

Microcassette Recorder with VOX



OPTIMUS_®











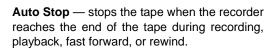


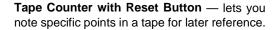


Your Optimus Micro-39 Microcassette Recorder is ideal for quick note-taking. The recorder's handstrap and its ultra-small size makes it easy to slip into a pocket, briefcase, or purse. You can use it at school, at business conferences, for dictation in the office, or anywhere you are on the go! You can record manually or set the recorder so sound activates recording.

Your recorder includes these features:

Voice-Activated Recording (VOX) — lets you set the Micro-39 so it records when it picks up sound and stops a few seconds after the sound stops.





Tape Speed Switch — lets you record and play back tape at twice the normal recording/ playback time (at a slower speed) or at normal speed (for maximum sound quality).

© 1999 Tandy Corporation. All Rights Reserved. Optimus, RadioShack, and Adaptaplug are registered trademarks used by Tandy Corporation.





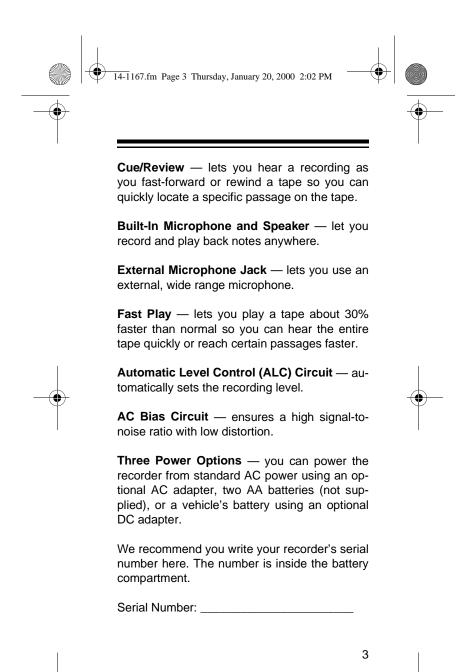














14-1167.fm Page 4 Thursday, January 20, 2000 2:02 PM







CONTENTS

Preparation	5
Connecting Power	5
Using Batteries	5
Using AC Power	. 7
Using Vehicle Power	8
Connecting an Earphone	10
Listening Safely	11
Traffic Safety	12
Connecting an	
External Microphone	12
Operation	13
Loading a Microcassette Tape	
Recording	
Voice Activated (VOX) Recording	
Manual Recording	17
Playing a Tape	18
Using Fast Play	
Rewinding/Fast-Forwarding	19
Quick Review	
Using the Tape Counter	21
TAPE TIPS	22
Storing Cassette Tapes	
Restoring Tape Tension	
and Sound Quality	22
Erasing Tapes	
Preventing Accidental Erasure	
Care	25
Cleaning the Tape Handling Parts	
Specifications	28



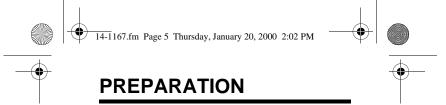












CONNECTING POWER

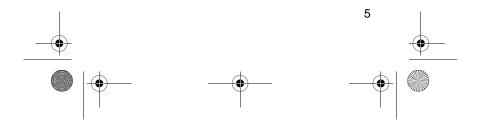
Using Batteries

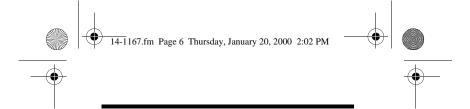
You can power your Micro-39 with two AA batteries (not supplied) or rechargeable AA Ni-Cd batteries (not supplied). For the best performance and longest life, we recommend RadioShack alkaline batteries. (Both Ni-Cd batteries and the correct battery charger are available at your local RadioShack store.)

Warning: Dispose of old batteries promptly; do not bury or burn them.

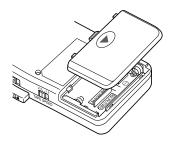
Cautions:

- Use only fresh batteries of the required size and recommended type.
- Never leave dead or weak batteries in the Micro-39. Batteries can leak chemicals that can destroy electronic circuits.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.





1. Slide the battery compartment cover in the direction of the arrow.



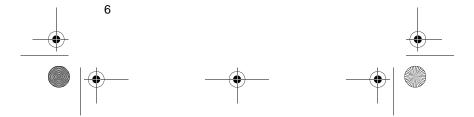
2. Insert the batteries into the compartment as indicated by the polarity symbols (+ and –) marked inside.

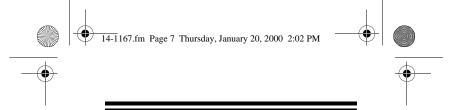


3. Replace the cover.

If RECORD/BATT lights dimly during recording, or it does not light at all, replace the batteries.

Note: If you do not plan to use the Micro-39 for several days, or if you plan to use only AC or vehicle battery power, remove the batteries.





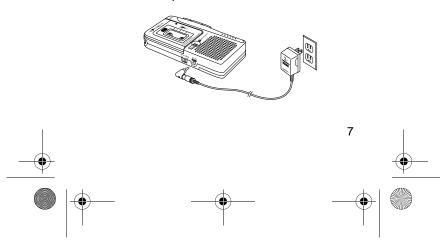
Using AC Power

Cautions:

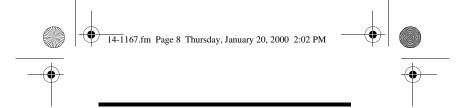
You must use a Class 2 power source that supplies 3V DC and delivers at least 300 mA. Its center tip must be set to negative and its plug must fit the Micro-39's **DC 3V** jack. Using an adapter that does not meet these specifications could damage the Micro-39 or the adapter.

 Always connect the AC adapter to the Micro-39 before you connect it to AC power. When you finish, disconnect the adapter from AC power before you disconnect it from the Micro-39.

Follow these steps to power the Micro-39 from standard AC power.







- Set the AC adapter's voltage switch to 3V if it is equipped with a voltage selection switch.
- 2. Insert the AC adapter's Adaptaplug into the AC adapter's cord so it reads TIP—.
- 3. Insert the adapter's barrel plug into **DC 3V** on the recorder.

Note: Inserting the barrel plug into the Micro-39's **DC 3V** jack disconnects the internal batteries.

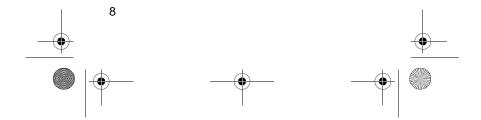
4. Plug the adapter's other end into a standard AC outlet.

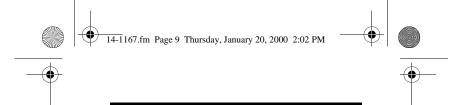


Using Vehicle Battery Power

You can power the Micro-39 from a vehicle's 12V power source (such as cigarette-lighter socket) using a 3V, 300-mA DC adapter and a size H Adaptaplug (neither supplied). Both are available at your local RadioShack store.



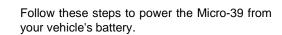




Cautions:

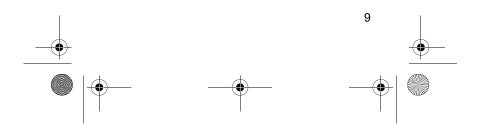
You must use a power source that supplies 3V DC and delivers at least 300 mA. Its center tip must be set to negative and its plug must fit the Micro-39's **DC 3V** jack. Using an adapter that does not meet these specifications could damage the Micro-39 or the adapter.

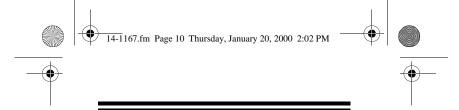
Always connect the DC adapter to the Micro-39 before you connect it to the power source. When you finish, disconnect the adapter from the power source before you disconnect it from the Micro-39.





- 1. Set the DC adapter's voltage switch to 3V.
- 2. Insert the AC adapter's Adaptaplug into the adapter's cord so it reads TIP-.





 Insert the barrel plug into the Micro-39's DC 3V jack.

Note: Inserting the barrel plug into the Micro-39's **DC 3V** jack disconnects the internal batteries.

4. Plug the other end of the DC adapter into the vehicle's cigarette-lighter socket.

CONNECTING AN EARPHONE

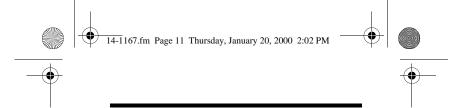
You can use an optional mono earphone with a $^{1}/_{8}$ -inch (3.5-mm) plug to listen privately to the Micro-39.

Notes:

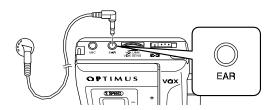
- You can also use an earphone to monitor what the recorder picks up through the internal or an external microphone.
- While you can connect stereo earphones, they produce sound only from the left earpiece.
- Your local RadioShack store carries a wide selection of earphones.





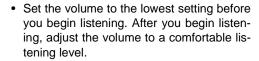


Insert the earphone's plug into the recorder's **EAR** jack. The internal speaker automatically disconnects.

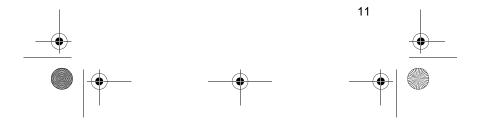


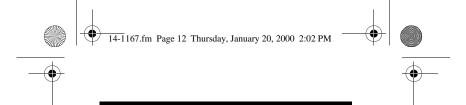
Listening Safely

To protect your hearing, follow these guidelines when you use an earphone.



- Do not listen at extremely high volume levels. Extended high-volume listening can lead to permanent hearing loss.
- Once you set the volume, do not increase it. Over time, your ears adapt to the volume level, so a volume level that does not cause discomfort might still damage your hearing.





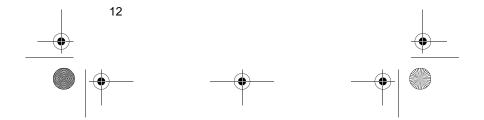
Traffic Safety

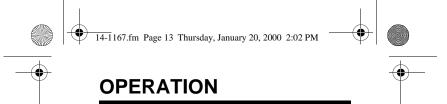
- Do not wear an earphone while operating a motor vehicle or riding a bicycle. This can create a traffic hazard and could be illegal in some areas.
- Even though some earphones let you hear outside sounds when listening at normal volume levels, they still can present a traffic hazard.



You can use an optional microphone with an ¹/₈-inch (3.5-mm) plug to extend the recording range. Your local RadioShack store carries a wide selection of microphones.

Insert the microphone's plug into the recorder's **MIC** jack. The built-in microphone automatically disconnects.

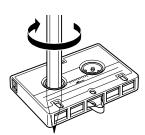




LOADING A MICROCASSETTE TAPE

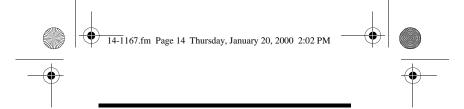
Note: We recommend MC-60 microcassette tapes for up to 2 hours of recording/playback time, or MC-90 microcassette tapes for up to 3 hours of recording/playback time. We do not recommend long-playing microcassette tapes such as MC-120s, because they are extremely thin and can easily tangle in the playback mechanism.

 Use a pencil to turn the cassette's hub and remove any tape slack. Avoid touching the tape.

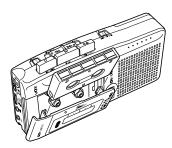


- 2. Press **STOP/EJECT**. The cassette compartment door opens.
- 3. Insert the microcassette into the door's guides with the tape's open edge facing





out and the full reel positioned toward the top of the recorder.



4. Close the door.



RECORDING

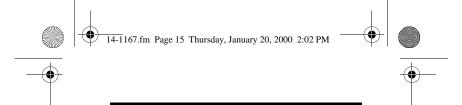
Cautions:

- Do not change the tape speed while recording.
- Do not force down RECORD when a cassette erase-protection tab is not in place (see "Preventing Accidental Erasure" on Page 23).

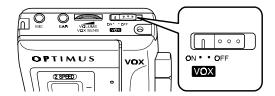
Voice Activated (VOX) Recording

Follow these steps to have the recorder start and stop recording automatically based on sound it detects.

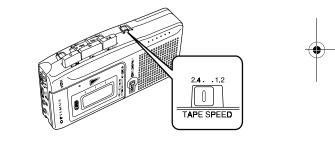




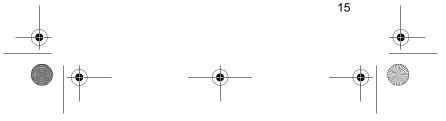
1. Set VOX to ON.

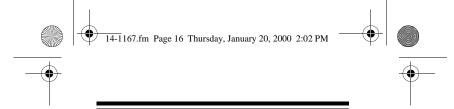


- 2. Load a tape.
- 3. Set **TAPE SPEED** on the side of the recorder as follows:



- To double the tape's recording/playback time, set TAPE SPEED to 1.2. This setting allows 120 minutes of total recording/ playback time on an MC-60 tape, or 180 minutes on an MC-90 tape.
- For better sound quality, set TAPE SPEED to 2.4. This setting allows 60 minutes of total recording/playback time on an MC-60 tape, or 90 minutes on an MC-90 tape.

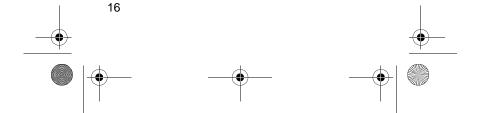




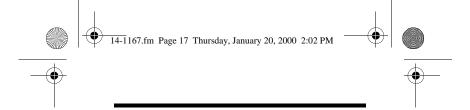
 Press RECORD to begin recording. Both RECORD and PLAY lock down, and the RECORD/BATTERY indicator (to the right of the tape counter) lights.

Notes:

- The VOLUME/VOX SENS setting determines the sound level that activates the VOX circuit and starts recording when the recorder picks up sound. At higher settings, a softer sound starts VOX recording. At lower settings, a louder sound starts VOX recording.
- The built-in automatic level control (ALC) automatically sets the recording level once recording starts.
- When you use the VOX feature, recording begins when the recorder picks up sound and stops a few seconds after the sound stops.
- For maximum clarity, place the recorder as close to the sound source as possible, with nothing between the source and the recorder that might block the sound.
- To temporarily stop recording, slide PAUSE to ON. To resume recording, slide PAUSE to OFF.
- Recording stops when the tape reaches the end of the cassette. Press STOP/EJECT



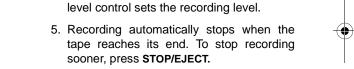


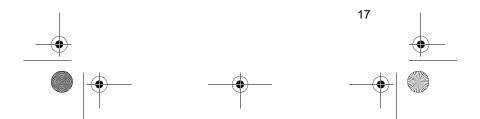


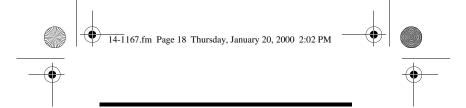
to release the controls. To stop it sooner, press **STOP/EJECT**.

Manual Recording

- 1. Set vox to off.
- 2. Load a tape.
- Set TAPE SPEED to 1.2 to double the recording time, or to 2.4 for better sound quality.
- Press RECORD (PLAY also locks down). Recording starts and the built in automatic level control sets the recording level.

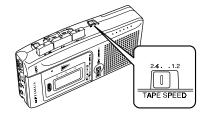




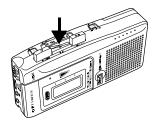


PLAYING A TAPE

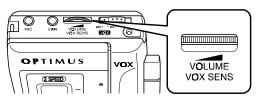
- 1. Load the microcassette tape.
- 2. Set **TAPE SPEED** to the speed used when the tape was recorded.

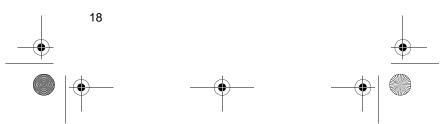


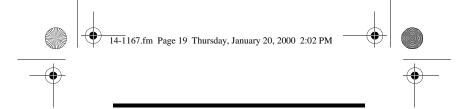
3. Press PLAY to begin play.



4. Adjust **VOLUME/VOX SENS** to a comfortable listening level.





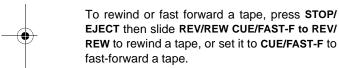


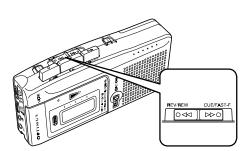
5. The tape automatically stops when it reaches the end. Press **STOP/EJECT** to stop playback sooner.

Using Fast Play

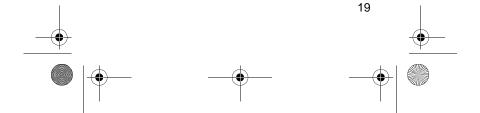
To play a tape about 30% faster than the normal playback speed, move FAST PLAY to ON. To resume normal speed playback, move FAST PLAY to OFF.

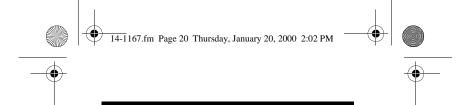
Rewinding/Fast-Forwarding





Caution: To release the controls and protect the tape-handling parts, press **STOP/EJECT** or





slide **REV/REW CUE/FAST-F** to the center position when the tape reaches the end.

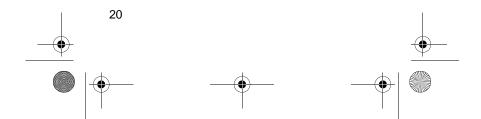
To hear the tape play at a faster speed as it fast-forwards or rewinds, slide REV/REW CUE/FAST-F to REV/REW or CUE/FAST-F during playback. When you release the switch, normal playback resumes.

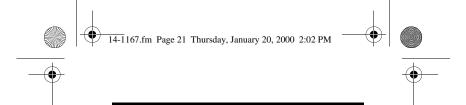
QUICK REVIEW



During recording, slide REV/REW CUE/FAST-F to REV/REW to hear a portion of what you have just recorded without first pressing STOP/EJECT and PLAY. To stop the quick review, slide REV/REW CUE/FAST-F to its center position. To resume recording, press STOP/EJECT then RECORD.

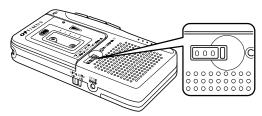






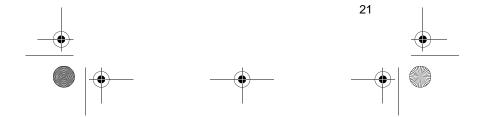
USING THE TAPE COUNTER

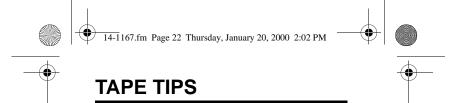
You can use the tape counter to note different locations on your tape during recording or playback.



Before playing or recording a tape, rewind the tape completely and press the counter's reset button to set the counter to 000. As the tape moves, the counter advances.







STORING CASSETTE TAPES

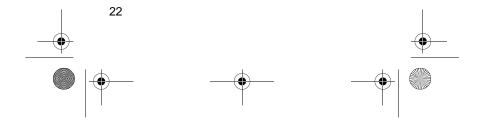
Do not expose microcassette tapes to high temperatures, high humidity, dust or dirt, or motors, transformers, or other sources of strong magnetic fields.

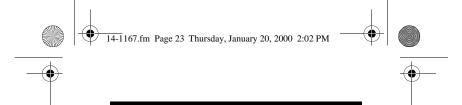
RESTORING TAPE TENSION AND SOUND QUALITY

After you play a microcassette tape several times, the tape might become tightly wound on the reels. This can cause playback sound quality to deteriorate.

To restore the sound quality, fast-forward the tape from the beginning to the end of one side, then completely rewind it. Then loosen the tape reels by gently tapping each side of the cassette's outer shell on a flat surface.

Caution: Be careful not to damage the microcassette when tapping it. Do not touch the exposed tape or allow any sharp objects near the cassette.





ERASING TAPES

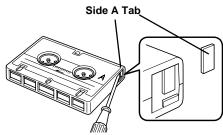
To record over a microcassette tape, simply record as usual. The tape recorder records over the previous recording.

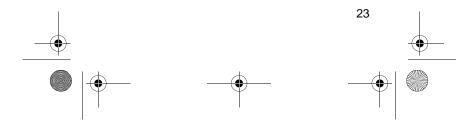
You can quickly erase both sides of a cassette tape using a RadioShack bulk tape eraser.

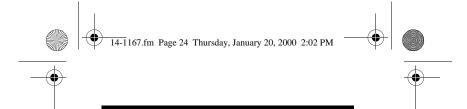
PREVENTING ACCIDENTAL ERASURE

Microcassette tapes have two erase-protection tabs — one for each side. When a tab is in place, you can record on that side.

To prevent accidental erasure of a tape recording, use a screwdriver to remove one or both of the cassette tape's erase protection tabs. This prevents **RECORD** from being pressed.



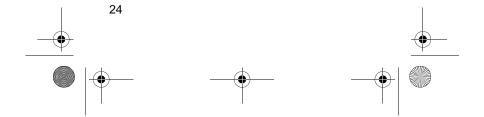


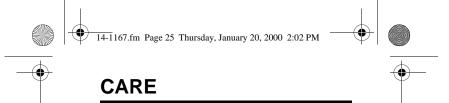


If you later decide to record on a tape side after you have removed the erase-protection tab, place a piece of strong plastic tape over that side's erase-protection hole. Be sure you cover only the hole originally covered by the erase-protection tab.

Caution: Removing the erase-protection tabs does not prevent a bulk eraser from erasing a microcassette tape.

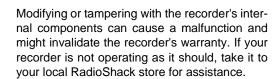






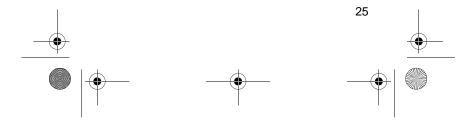
To enjoy your Optimus Micro-39 Microcassette Recorder for a long time:

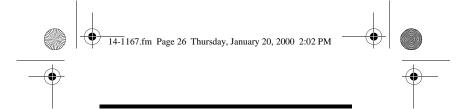
- Keep the recorder dry. If it gets wet, wipe it dry immediately.
- Handle the recorder gently and carefully. Don't drop it.
- Use and store the recorder only in normal temperature environments.
- · Keep the recorder away from dust and dirt.
- Wipe the recorder with a damp cloth occasionally to keep it looking new.



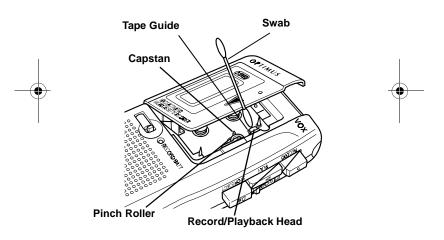


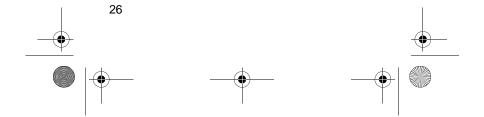
Dirt, dust or particles of the tape's coating can accumulate on the tape heads and other parts that the tape touches. This can greatly reduce the performance of the Micro-39. After every 20 hours of tape player operation, follow these steps to clean the tape-handling parts or use a RadioShack microcassette deck cleaning kit.

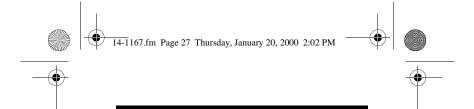




- 1. Remove the batteries and disconnect any other power source.
- 2. Open the cassette compartment door and press **PLAY** to expose the tape-handling parts.
- 3. Use a cotton swab dipped in tape head cleaning solution or denatured alcohol to gently clean the record/playback head, pinch roller, capstan, and tape guides.

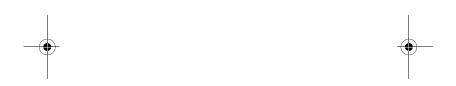


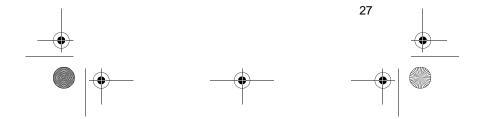




4. Press **STOP/EJECT** to release the tapehandling parts. Then close the cassette compartment cover and reconnect power.

Note: For easier cleaning, you can use a microcassette cleaner kit, which includes a special cleaning cassette. Your local RadioShack store carries a full line of cassette recorder cleaning supplies.















SPECIFICATIONS

Tape System	2 Track, Microcassette
Tape Speed	2.4 cm/sec. (15/16 ips) and
	1.2 cm/sec. (¹⁵ / ₃₂ ips)



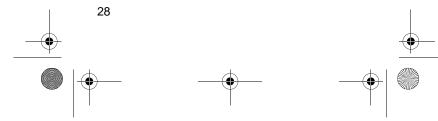
Internal Batteries	3 Volts DC,
	Two AA Batteries
AC Power	120V with AC Adapter
Vehicle Battery	. 12V with DC Adapter

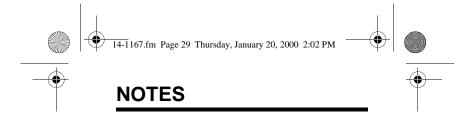


Dimensions (HWD) $5^{1/16} \times 2^{7/8} \times 1$ In. (128.6 × 65.6 × 25.4 mm)

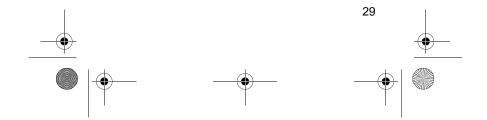
Weight (without batteries)......5.6 oz. (160 g)

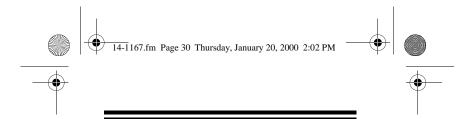
Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.



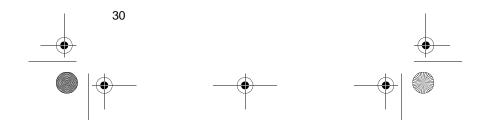














14-1167.fm Page 31 Thursday, January 20, 2000 2:02 PM





Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRAN-TIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRAN-TIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RE-SPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, IN-CIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow the limitations on how long an implied warranty lasts or the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

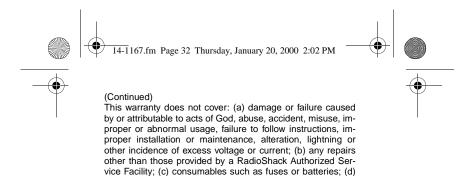
(Continued)











This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

vice adjustment or reinstallation.

cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up ser-

RadioShack Customer Relations, 200 Taylor Street, 6th Floor, Fort Worth, TX 76102

We Service What We Sell 04/99

RadioShack A Division of Tandy Corporation Fort Worth, Texas 76102

